PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference W2121-000000	FOR FURTHER ACTION	See item 4 below					
International application No. PCT/JP2005/000775	International filing date (day/month/year) 21 January 2005 (21.01.2005)	Priority date (day/month/year) 22 January 2004 (22.01.2004)					
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237							
Applicant HITACHI KOKUSAI ELECTRIC INC.							

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1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).							
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.							
91	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.							
3.	This report contains indications i	relating to the following items	: ' -					
	Box No. 1	Basis of the report						
	Box No. Π	Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
	Box No. IV	Lack of unity of invention						
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI	Certain documents cited	·					
	Box No. VII	Certain defects in the intern	national application					
	Box No. VIII	Certain observations on the	international application					
4.	 The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2). 							
*	·	i.	Date of issuance of this report 22 August 2006 (22.08.2006)					
	The International Burea 34, chemin des Colo 1211 Geneva 20, Sw	ombettes	Authorized officer Masashi Honda					
Facsin	nile No. +41 22 338 82 70		e-mail: pt08@wipo.int					

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION W2121-000000 See paragraph 2 below International filing date (day/month/year) Priority date (day/month/year) International application No. 21.01.2005 22.01.2004 PCT/JP2005/000775 International Patent Classification (IPC) or both national classification and IPC Applicant HITACHI KOKUSAI ELECTRIC INC. This opinion contains indications relating to the following items: \boxtimes Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/JP

Telephone No.

Facsimile No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/000775

Box	No. I	Ī	Basis of t	his opinion									
1.	With filed	h regai I, unle:	d to the lang	uage, this opin	nion has b r this item	een establ	ished on the	basis of the in	nternational ap	plication in	the langua	ge in whi	ich it was
		This	opinion has l	heen establishe				om the original					h (under
		Rulc	12.3 and 23.	1(b)).	`		0 0			•			
2.	With	h rega	rd to any nu this opinion l	relectide and/ has been establ	or amino	acid seq	uence discl	osed in the in	nternational ap	plication a	nd necessa	ry to the	claimed
	a.	type	of material	•									
			a sequence	listing					•				
			table(s) rela	ited to the sequ	ence listin	ng							
	b.	form	at of materia	1			-					•	٠.
		\Box	in written fo	ormat		•							
		$\overline{\sqcap}$	in computer	readable form	1			•			,		
	c.	time	of filing/furr	nishing									
				the internatio	nal applic	ation as fil	ed.						
		\exists		er with the inte				r readable fori	m.				•
		\exists	_	ubsequently to									
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3.	Ш	furni	ished, the req	e case that mo juired statemer go beyond the	nts that the	e informati	on in the su	bsequent or ad	lditional copie	able(s) relates is identicated	ing thereto	has been the appli	n filed or ication as
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4.	Auu	luonai	comments:										
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/000775

	No. V Reasoned stateme	ent under Rule	43bis.1(a)(i) with regard to rting such statement	novelty, inventive	step or industrial ap	plicability;
1.	Statement	· ·	ring such statement		·	
	Novelty (N)	Claims -	1 – 4			YE
	• • •	Claims				NO
	Inventive step (IS)		1-4			YE.
		Claims				NO
	Industrial applicability (IA)	Claims	1-4			YE.
		Claims	 			NO
2.	Citations and explanations:					
	Document 1: JP, 09-120	1487 A (Flr	no Co. Ltd.) 06 Ma	v 1997 (06 05	97)	
	Document 2: JP, 11-284					• •
	Document 3: JP, 2002-3					nber, 2002
	(29.11.02)				10.14 0000	(12.05.00)
	Document 4: JP, 2000-1	.34000, A (Sekyurion-inisni Kab	usniki Kaisna)	, 12 May, 2000	(12.05.00)
	Concerning the	subject mat	ters of claims 1-3, it	is neither desc	rihed in docum	ent 1 cited in
	the ISR nor obvious to a					
	the Kill hor obvious to t					
	arrangement information	n, sends a li	st of registered imag	e arrangement	information to	a client
	arrangement information terminal, and delivers and client terminal based on	n, sends a li n image to th image arrai	st of registered imag he client terminal ba	e arrangement sed on an imag	information to a e delivery requ	a client est from the
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000775

According to International Patent Classification (IPC) or to both national classification and IPC D. FIELDS SEARCHED Minimum decumentation searched (classification system followed by classification symbols) Int. C1 H04N7/18, 7/173 Documentation searched other than manimum documentation to the extent that such documents are included in the fields searched victury of Shirant Robo 1922-1996 Jitesuyo Shirant Toroku Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1932 16 No. 1937 (No. 05.97), Figs. 16, 17 (Familly: none) A JP 10-284987 A (KUMAHIRA CO., LTD.), 1-3 A JP 202-344886 A (Matsushita Electric (Family: none) A JP 2002-344886 A (Matsushita El	A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H04N7/18, 7/173						
Minimum documentation searched (classification system followed by classification symbols) Int.Cl* H04N7/18, 7/173 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 09-120487 A (ELMO CO., LTD.),	According to International Patent Classification (IPC) or to both national classification and IPC						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 09-120487 A (ELMO CO., LTD.), 06 May, 1997 (06.05.97), Figs. 16, 17 (Family: none) A JP 11-284987 A (KUMAHIRA CO., LTD.), 15 October, 1999 (15.10.99), Full text (Family: none) A JP 2002-344886 A (Matsushita Electric Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) E Special categories of cited documents: **Special categories of cited documents: **Special categories of cited documents: **Comment defining the general state of the art which is not considered the special categories of cited documents: **Comment effecting to be general state of the art which is not considered the special categories of cited documents: **Comment of particular relevance; the claimed invention cannot be considered only of the published on or after the international filing date **Comment efferting to be associated of another citation or other considered novel or cannot be considered to involve an invention comment opaticated relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention comment opaticated relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention comment opaticated relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention cannot be considered or priority date than the priority date claimed. **Comment opaticated relevance; the claimed invention cannot be considered novel or cannot be considered to involve an invention cannot be consid	B. FIELDS SE	ARCHED		<u></u>			
Jitsuyo Shinan Koho 1921-1996 Jitsuyo Shinan Toroku Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 09-120487 A (ELMO CO., LTD.), 06 May, 1997 (06.05.97), Figs. 16, 17 (Family: none) A JP 11-284987 A (KUMAHIRA CO., LTD.), 4 15 October, 1999 (15.10.99), Full text (Family: none) A JP 2002-344886 A (Matsushita Electric 1ndustrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) Septial categories of cited documents: * Special categories of cited documents and the continuation of the continuation	Minimum docum Int . Cl 7	nentation searched (classification system followed by cl H04N7/18, 7/173	assification symbols)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 09-120487 A (ELMO CO., LTD.), 06 May, 1997 (06.05.97), Figs. 16, 17 (Family: none) A JP 11-284987 A (KUMAHIRA CO., LTD.), 15 October, 1999 (15.10.99), Full text (Family: none) A JP 2002-344886 A (Matsushita Electric Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) * Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be repetial reson (as specified) the international filing date on a relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be considered in the particular polar particular relevance; the claimed invention cannot be considered not be of particular relevance; the claimed invention cannot be considered in the continual particular polar particular relevance; the claimed invention cannot be considered not be of particular relevance; the claimed invention cannot be considered not provide an inventive an inventive an inventive and particular relevance; the claimed invention cannot be considered not provide an inventive an inventive an inventive and particular relevance; the claimed invention cannot be considered not provide an inventive	Jitsuyo Kokai Ji	Shinan Koho 1922-1996 Ji Ltsuyo Shinan Koho 1971-2005 To	tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	1996-2005 1994-2005			
Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 09-120487 A (ELMO CO., LTD.), 06 May, 1997 (06.05.97), Figs. 16, 17 (Family: none) A JP 11-284987 A (KUMAHIRA CO., LTD.), 15 October, 1999 (15.10.99), Full text (Family: none) A JP 2002-344886 A (Matsushita Electric Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) * Special categories of cited documents: (Family: none) * Special categories of cited documents: obe of particular relevance to be of particular relevance to be of particular relevance to cardiar application or patent but published on or after the international filing date or priority date cannot be considered to involve an inventive step when the document is accombined with one or more other such document of particular relevance the claimed invention cannot be considered to involve an inventive step when the document is occombined with one or more other such document is combined with one or more other such document is or more	Electronic data b	ase consulted during the international search (name of o	data base and, where practicable, search te	rms used)			
A JP 09-120487 A (ELMO CO., LTD.), 06 May, 1997 (06.05.97), Figs. 16, 17 (Family: none) A JP 11-284987 A (KUMAHIRA CO., LTD.), 15 October, 1999 (15.10.99), Full text (Family: none) A JP 2002-344886 A (Matsushita Electric Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) * Special categories of cited documents: document defining the peared state of the art which is not considered to be of particular relevance: earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O' document referring to an oral disclosure, use, exhibition or other means to document published prior to the international filing date but later than the priority date claimed "Y" document referring to a noral disclosure, use, exhibition or other special reason (as specified) Counter treferring to an oral disclosure, use, exhibition or other means to document referring to an oral disclosure, use, exhibition or other means to document referring to an oral disclosure, use, exhibition or other means to document referring to an oral disclosure, use, exhibition or other means to document referring to an oral disclosure, use, exhibition or other means to document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document is provided to the considered to involve an inventive step when the document is taken alone to the priority date claimed "Y" document feeting to an oral disclosure, use, exhibition or other means document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document family Date of the	C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT					
A	Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
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Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text (Family: none) Your best of the actual completion of the international search 12 May, 2005 (12.05.05) See patent family annex.	A .	15 October, 1999 (15.10.99), Full text					
* Special categories of cited documents: A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 12 May, 2005 (12.05.05) Name and mailing address of the ISA/ Japanese Patent Office "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be c	A	Industrial Co., Ltd.), 29 November, 2002 (29.11.02), Full text		4			
* Special categories of cited documents: A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 12 May, 2005 (12.05.05) Name and mailing address of the ISA/ Japanese Patent Office "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 14 June, 2005 (14.06.05) Authorized officer							
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 12 May, 2005 (12.05.05) Name and mailing address of the ISA/ Japanese Patent Office document defining the general state of the art which is not considered to in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is document or particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is document or particular relevance; the claimed invention cannot be considered novel or cannot be consider	🗀 - : ::::::::: ::::		See patent family annex.				
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